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OM protein - protein search, using sw model

Run on: September 4, 2002, 16:10:49 : Search time 99.82 Seconds  
(without alignments)  
115.007 Million cell updates/sec

Title: US-09-052-089A-2  
Perfect score: 2393  
Sequence: 1 MFILSLCTICSDFFHSDRV.....VRKTVSSASQPKLPTPLCQ 470

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2393	100.0	470	4	US-09-052-089A-2 Sequence 2, Appl1
2	1826.5	76.3	459	2	US-08-968-751-2 Sequence 2, Appl1
3	1798.5	75.2	469	4	US-09-052-089A-1 Sequence 1, Appl1
4	1075	44.9	220	4	US-09-052-089A-4 Sequence 4, Appl1
5	905	37.9	220	4	US-09-052-089A-3 Sequence 3, Appl1
6	293	12.2	51	4	US-09-052-089A-6 Sequence 6, Appl1
7	260	10.9	51	4	US-09-052-089A-5 Sequence 5, Appl1
8	172.5	7.2	2482	1	US-08-328-254-6 Sequence 6, Appl1
9	172.5	7.2	3248	5	US-08-353-700-1 Sequence 1, Appl1
10	172.5	7.2	3248	5	PCT-US93-16216-1 Sequence 1, Appl1
11	170	7.1	1093	5	PCT-US93-03077-1 Sequence 1, Appl1
12	169	7.1	1090	4	US-09-085-1998-5 Sequence 5, Appl1
13	168.5	7.0	576	2	US-08-533-306A-2 Sequence 2, Appl1
14	168.5	7.0	576	2	US-08-742-923A-2 Sequence 6, Appl1
15	168.5	7.0	816	2	US-08-533-306A-6 Sequence 6, Appl1
16	168.5	7.0	816	2	US-08-742-923A-6 Sequence 6, Appl1
17	168.5	7.0	885	2	US-08-533-306A-4 Sequence 4, Appl1
18	168.5	7.0	885	2	US-08-742-923A-4 Sequence 4, Appl1
19	166.5	7.0	914	4	US-09-085-1998-4 Sequence 4, Appl1
20	160	6.7	1886	4	US-08-938-105-3 Sequence 3, Appl1
21	160	6.7	1939	4	US-09-310-187A-1 Sequence 1, Appl1
22	159.5	6.7	896	1	US-08-095-737-2 Sequence 2, Appl1
23	159.5	6.7	896	2	US-08-480-145-2 Sequence 2, Appl1
24	159.5	6.7	896	2	US-08-477-389-2 Sequence 2, Appl1
25	158.5	6.6	414	5	PCT-US93-03077-3 Sequence 3, Appl1
26	157	6.6	1184	4	US-09-541-782-2 Sequence 2, Appl1
27	153.5	6.4	443	2	US-08-795-475-6 Sequence 6, Appl1

28	153.5	6.4	976	4	US-09-104-324B-4 Sequence 4, Appl1
29	152.5	6.4	2101	1	US-08-466-390-4 Sequence 4, Appl1
30	152.5	6.4	2101	1	US-08-470-950-4 Sequence 4, Appl1
31	152.5	6.4	2101	1	US-08-467-781-4 Sequence 4, Appl1
32	152.5	6.4	2101	1	US-08-195-487-4 Sequence 4, Appl1
33	152.5	6.4	2101	2	US-08-483-924-4 Sequence 4, Appl1
34	152.5	6.4	2101	4	US-09-452-294-4 Sequence 1, Appl1
35	152.5	6.4	2101	5	PCT-US93-06160-4 Sequence 1, Appl1
36	149	6.2	1068	4	US-09-085-1998-11 Sequence 11, Appl1
37	147.5	6.2	316	4	US-08-098-327E-31 Sequence 31, Appl1
38	147.5	6.2	316	4	US-08-462-625-31 Sequence 2, Appl1
39	146.5	6.1	1805	1	US-07-853-913-2 Sequence 148, Appl1
40	146	6.1	1312	2	US-08-592-126-148 Sequence 51, Appl1
41	146	6.1	1312	2	US-08-687-080-51 Sequence 2, Appl1
42	145.5	6.1	1005	2	US-08-935-450-2 Sequence 2, Appl1
43	145	6.1	386	4	US-09-085-1998-2 Sequence 2, Appl1
44	143	6.0	1388	2	US-08-685-576-4 Sequence 4, Appl1
45	142.5	6.0	897	1	US-08-095-737-4 Sequence 4, Appl1

ALIGNMENTS

RESULT 1  
US-09-052-089A-2  
Sequence 2, Application US/09052089A  
Patent No. 6346605  
GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
Choi, Yongwon  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER  
FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/052,089A  
FILING DATE: 31-Mar-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 470 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
FRAGMENT TYPE: <Unknown>  
ORIGINAL SOURCE:  
ORGANISM: mouse  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-052-089A-2  
Query Match 100.0%; Score 2393; DB 4; Length 470;

Best Local Similarity 100.0%; Pred. No. 6.6e-192;  
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MPILSLCTICSDPFHDSRBYAAIHCGHGFPHLOCLIQWETPASTCPOGCHIOVGKTTIN	60
Db	1	MPILSLCTICSDPFHDSRBYAAIHCGHGFPHLOCLIQWETPASTCPOGCHIOVGKTTIN	60
Qy	61	KLEFDLAAQEEENYLADEFLEKNEBLSVKAQLOSKDREKKSQAIIDTLRDPLEERNATVES	12
Db	61	KLEFDLAAQEEENYLADEFLEKNEBLSVKAQLOSKDREKKSQAIIDTLRDPLEERNATVES	12
Qy	121	LQANLNKAEMLCSTLKKQKFLFEOQODETKQAREARHLCKNMNTMQIELLLQSORSEY	18
Db	121	LQANLNKAEMLCSTLKKQKFLFEOQODETKQAREARHLCKNMNTMQIELLLQSORSEY	18
Qy	181	EMIRDMGVQGSAAVEQOLAYVCSYLKREYENLKEARKATGELADRLKIDVLSSRSKLTNTN	24
Db	181	EMIRDMGVQGSAAVEQOLAYVCSYLKREYENLKEARKATGELADRLKIDVLSSRSKLTNTN	24
Qy	241	TELDQAKLELRSAQNDLOSADOETISLKKSSDDPGLNEPASATNETVSRLVESPAYE	30
Db	241	TELDQAKLELRSAQNDLOSADOETISLKKSSDDPGLNEPASATNETVSRLVESPAYE	30
Qy	301	MMMPRLHOPPFGEIDILNTPFVYNTPPQOTSGSOHCLPKTLCLERASPMQNLKVVHV	36
Db	301	MMMPRLHOPPFGEIDILNTPFVYNTPPQOTSGSOHCLPKTLCLERASPMQNLKVVHV	36
Qy	361	SKESQSLSGGRCVGEIDELIAGAFPLFIRNAVLGQKOPMRTTAESRSTDDVVRIGFGD	42
Db	361	SKESQSLSGGRCVGEIDELIAGAFPLFIRNAVLGQKOPMRTTAESRSTDDVVRIGFGD	42
Qy	421	LGSRTPFIQPRDITIRPVPVSKAKSKQKXKITVSSASQPKIDTFLCQ	470
Db	421	LGSRTPFIQPRDITIRPVPVSKAKSKQKXKITVSSASQPKIDTFLCQ	470

RESULT 2  
US-08-968-751-2

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-968-751-2

```

Query Match	76.3%	Score 1826.5	DB 2	Length 469
Best Local Similarity	77.6%	Pred No. 1.3e-144		
Matches 363; Conservative	41;	Mismatches 63;	Indels 1;	Gaps 1;

[illegible]

RESULT 3  
 US-09-052-089A-1  
 Sequence 1, Application US/09052089A  
 Patent No. 6346605  
 GENERAL INFORMATION:  
 APPLICANT: Lee, Soo Y.  
 Choi, Yongwon  
 TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TME RECEPTOR SUPER  
 FAMILY, AND USES THEREOF  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: David A. Jackson, Esq.  
 STREET: 411 Hackensack Ave, Continental Plaza, 4th  
 Floor  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/052.089A  
 FILING DATE: 31-Mar-1998  
 CLASSIFICATION: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742

```

; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; FRAGMENT TYPE: <Unknown>
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-052-089a-1

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Query Match          75.2%; Score 1798.5; DB 4; Length 469;
Best Local Similarity 76.9%; Pred. No. 2.8e-142;
Matches 360; Conservative 41; Mismatches 66; Indels 1; Gaps 1;

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QY 1 MPILSLCTICSDFFDHSRDVAHICGHTFHLQCLIQMFETAPSRTPCQCRIOVGKKTIIIN 60
D 1 MPILSLCTICSDFFDHSRDVAHICGHTFHLQCLIQMFETAPSRTPCQCRIOVGKKTIIIN 60
QY 61 KLFEDLAQEEENVLDLAEFLKNELDVKAQSLQCKREKRDSDAIIIDLRLTEENATIVES 120
D 61 KLFEDLAQEEENVLDLAEFLKNELDVKAQSLQCKREKRDSDAIIIDLRLTEENATIVES 120
QY 121 LQNLNKAEMLCSTLKQMKFLEORODETKOAREEAHRLKCKMKTMEQIELLSORSEV 180
D 121 LQNLNKAEMLCSTLKQMKFLEORODETKOAREEAHRLKCKMKTMEQIELLSORSEV 180
QY 181 EEMIRDMGVGSAVEQALVAVCVSLKKEYENLKEARKATGELADRLKDLVSSRSKLTN 240
D 181 EEMIRDMGVGSAVEQALVAVCVSLKKEYENLKEARKATGELADRLKDLVSSRSKLTN 240
QY 241 TELQOATLELRSQKDLQSAQDEITSLRKSDPPGNEPNSATINERYSLVFPSPAVE 300
D 241 TELQOATLELRSQKDLQSAQDEITSLRKSDPPGNEPNSATINERYSLVFPSPAVE 300
QY 301 MNPNRLHOPPGDEIDLNTPTDVTPTOTSGSOHCLPKLCLERARSPMONVLKVKV 360
D 301 MNPNRLHOPPGDEIDLNTPTDVTPTOTSGSOHCLPKLCLERARSPMONVLKVKV 360
QY 361 SKPESQSLSGQRCVGELELAGAFPLFIRNAVLGOKQRPRTAESSSTDVVRIGFDG 420
D 361 SKPESQSLSGQRCVGELELAGAFPLFIRNAVLGOKQRPRTAESSSTDVVRIGFDG 420
QY 421 LGGTRKFIQPRDTIIRVPYKSKAKSKOKYRITVSSASPKIDTFL 468
D 421 LGGTRKFIQPRDTIIRVPYKSKAKSKOKYRITVSSASPKIDTFL 468
D 420 LGGTRKFIQPRDTIIRVPYKSKAKSKOKYRITVSSASPKIDTFL 467

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```

RESULT 4
US-09-052-089a-4
; Sequence 4, Application US/09052089a
; Patent No. 6346605
; GENERAL INFORMATION:
; APPLICANT: Lee, Soo Y.
; ChOI, Yongwon
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
; FAMILY, AND USES THEREOF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; FLOOR
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA

```

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; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,089A
; FILING DATE: 31-Mar-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: NO
; FRAGMENT TYPE: Internal
; ORIGINAL SOURCE:
; ORGANISM: mouse
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-052-089a-4

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Query Match          44.9%; Score 1075; DB 4; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.5e-82;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 56 KTIINKLFEDLAQEEENVLDLAEFLKNELDVKAQSLQCKREKRDSDAIIIDLRLTEERN 115
D 1 KTIINKLFEDLAQEEENVLDLAEFLKNELDVKAQSLQCKREKRDSDAIIIDLRLTEERN 115
QY 116 ATVESLQNALKAEMLCSTLKQMKFLEORODETKOAREEAHRLKCKMKTMEQIELLS 175
D 116 ATVESLQNALKAEMLCSTLKQMKFLEORODETKOAREEAHRLKCKMKTMEQIELLS 175
QY 176 ORSEVEEIRMGVGSQSAVEQALVAVCVSLKKEYENLKEARKATGELADRLKDLVSSRSK 235
D 176 ORSEVEEIRMGVGSQSAVEQALVAVCVSLKKEYENLKEARKATGELADRLKDLVSSRSK 235
QY 236 LKTIINTELQAKLELRSQKDLQSAQDEITSLRKSDPP 275
D 236 LKTIINTELQAKLELRSQKDLQSAQDEITSLRKSDPP 275
D 181 LKTIINTELQAKLELRSQKDLQSAQDEITSLRKSDPP 220

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RESULT 5
US-09-052-089a-3
; Sequence 3, Application US/09052089a
; Patent No. 6346605
; GENERAL INFORMATION:
; APPLICANT: Lee, Soo Y.
; ChOI, Yongwon
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
; FAMILY, AND USES THEREOF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; FLOOR
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/052,089A  
FILING DATE: 31-Mar-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 220 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-052-089A-3

Query Match 37.9%; Score 906; DB 4; Length 220;  
Best Local Similarity 86.0%; Pred. No. 3,2e-68;  
Matches 185; Conservative 18; Mismatches 12; Indels 0; Gaps 0;

QY 56 KTIINKLFEDLAOEENLVDAEFLKNEIDSVKAOISQDKRKRDSQATIIDPLRPLEERN 115  
DB 1 KTIINKLFEDLAOEENLVDAEFLKNEIDSVKAOISQDKRKRDSQATIIDPLRPLEERN 60  
QY 116 ATVESIQAALKAEMLTSTLKQKMFLEORODETKQAREEAHRLCKMKTKTEQIETELLQS 175  
DB 61 ATVSISQAALKAEMLTSTLKQKMFLEORODETKQAREEAHRLCKMKTKTEQIETELLQS 120  
QY 176 QRSEVEKIRDMGVQSAVEQLAVYCVSLKREYENLKEARRATGELADRLKKDLVSSRSK 235  
DB 121 QLPSEVEKIRDMGVQSAVEQLAVYCVSLKREYENLKEARRATGELADRLKKDLVSSRSK 180  
QY 236 LKTIINTELOAKLELSAOKDLSADQETISLRKK 270  
DB 181 LQTVISELDQAKLELSAOKDLSADQETISLRKK 215

RESULT 6  
US-09-052-089A-6  
Sequence 6, Application US/09052089A  
Patent No. 6346605  
GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
Choi, Yongwon  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER  
FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC-compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/052,089A  
FILING DATE: 31-Mar-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: mouse  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
US-09-052-089A-6

Query Match 12.2%; Score 293; DB 4; Length 51;  
Best Local Similarity 100.0%; Pred. No. 6,2e-18;  
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LSLCTGSDFFDHSRDVAALHCGHTFHLQCLIQWFTAPSRTPCQCRIOVG 54  
DB 1 LSLCTGSDFFDHSRDVAALHCGHTFHLQCLIQWFTAPSRTPCQCRIOVG 51

RESULT 7  
US-09-052-089A-5  
Sequence 5, Application US/09052089A  
Patent No. 6346605  
GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
Choi, Yongwon  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER  
FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC-compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/052,089A  
FILING DATE: 31-Mar-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
SEQUENCE DESCRIPTION: SEQ ID NO: 5;  
US-09-052-089a-5

Query Match 10.9%; Score 260; DB 4; Length 51;  
Best Local Similarity 92.0%; Pred. No. 3.6e-15;  
Matches 46; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 5 SLCTICSDPFDHSRDVAIHGHTFHLOCLTOMFETAPSRCTPCRCRQVG 54  
DB 2 ALCTICSDPFDHSRDVAMDCGHTFHLOCLTQSFETAPSRCTPCRCRQVG 51

## RESULT 8

US-08-328-254-6  
Sequence 6, Application US/08328254  
Patent No. 5710022  
GENERAL INFORMATION:  
APPLICANT: Zhu, Xueliang  
APPLICANT: Lee, Wen-Hwa  
TITLE OF INVENTION: A No. 5710022el Nuclear Mitotic Phosphoprotein  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Campbell and Flores  
STREET: 4370 La Jolla Village Drive, Suite 700  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/328,254  
FILING DATE: 24-OCT-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/141,239  
FILING DATE: 22-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn A.  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-CJ 1191  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2482 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-328-254-6

Query Match 7.2%; Score 172.5; DB 1; Length 2482;  
Best Local Similarity 24.3%; Pred. No. 1.6e-05;  
Matches 74; Conservative 53; Mismatches 109; Indels 69; Gaps 10;

QY 56 KTIINKLFPDLAEEEN---VLDAPFLKNELDLSVKAOL-----SOK 93  
DB 1521 KDAVNEIERELQNSEENQELVIIDAENSKAEVETLKQIDEMARSLKVFELDLVTLSERK 1580  
QY 94 D-----REKRDSQAIDTLRLDTL-----EERNATVESLONALNKAKMLC 132

DB 1581 ENLTQIOEKQOLSELDKLLSSFKSLLEKEQAEIQIKESKTAVEMLONLKELNEAV 1640  
QY 133 STL---KKQKKFLEQND-----ETKQAREFAHLLKKCKMTMEIILLQSORSE----- 179  
DB 1641 AALCGDQELMKATEQSLDPPIEEHHQLRNIEKLRLARLEKDEKQOLCVLOQLKESHHAD 1700  
QY 180 -----VEEMIRDMGQSGSAVEQLAVYCVSLKKEYEENLKEARKATGELADRLKDLVSSRS 234  
DB 1701 LKGRVNEIERELEIARTNOEHAALENENSGEVEITLKAKIEGTMQSLRGLELDVYTINS 1760  
QY 235 KLKTLNTELDQ-----AKTEL--RSAQKDLQSDAQETTSLRKSDPPGNLE--PASATNE 286  
DB 1761 EKENLTFNEIQEKQERISELFIINSFENILQEKQEKVQKREKSSVAMELQVQLKELNE 1820  
QY 287 TVSRRL 291  
DB 1821 RVAL 1825

## RESULT 9

US-08-353-700-1  
Sequence 1, Application US/08353700  
Patent No. 5599919  
GENERAL INFORMATION:  
APPLICANT: YEN, TIMOTHY J.  
APPLICANT: RATTNER, JEROME B.  
TITLE OF INVENTION: NUCLEIC ACID ENCODING A  
TITLE OF INVENTION: TRANSIENTLY-EXPRESSED KINETOCHORE PROTEIN,  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DANN, DOREMAN, HERRELL AND SKILLMAN  
STREET: 1601 MARKET STREET, SUITE 720  
CITY: PHILADELPHIA  
STATE: PA  
COUNTRY: USA  
ZIP: 19103-2307  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/353,700  
FILING DATE: 09-DEC-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: REED, JANET E.  
REGISTRATION NUMBER: 36,252  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 563-4100  
TELEFAX: (215) 563-4044  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3248 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: HUMAN  
US-08-353-700-1

Query Match 7.2%; Score 172.5; DB 1; Length 3248;  
Best Local Similarity 24.3%; Pred. No. 2.4e-05;  
Matches 74; Conservative 53; Mismatches 109; Indels 69; Gaps 10;  
QY 56 KTIINKLFPDLAEEEN---VLDAPFLKNELDLSVKAOL-----SOK 93

Db 2249 KDKVENLERELQMSSENOELVILDAENSKAEVETLKQIEEMARSLKIFELDLVTLRSEK 2308  
QY 94 D-----REKDSOAIIIDTLRDTL-----EERNATVESIONALKAEMLC 132  
Db 2309 ENLTKQIOEKQOGSELDKLISFKSLLEEQAEOIQIEESKTAVEMLOQLKELNEAV 2368  
QY 133 STL---KKOMKFLBQROD---ETKQAREEHAHLCKMKTMEOJELLQSORSE-----179  
Db 2369 AALGDOEIMKATQSDLPPIEEHQLRNSIEKLRAHLEADEKKQLCVLQOLKESEHHAD 2428  
QY 180 -----VEEMIDMGVQSAVEQLAVYCVSLKKEYENLKEARKATGELADRLKDLVSSRS 234  
Db 2429 LKRGVENLERELEIARTNOEHALAEANSKGEVETLAKIEGWTQSLRGLELDVVTIRS 2488  
QY 235 KLTTLNTELDQ----AKLEL--RSAOKDQASADOEITSLRKSDPPGNLE-PASATNE 286  
Db 2489 EKEMLTNELQEKQERISELEIINSSFENIIOEKQEKVQMKESSTAMEMLOTLKELNE 2548  
QY 287 TVSRU 291  
Db 2549 RVAL 2553

RESULT 10  
PCT-US95-16216-1  
; Sequence 1, Application PC/TUS9516216  
; GENERAL INFORMATION:  
; APPLICANT: Yen, Timothy J.  
; TITLE OF INVENTION: Nucleic Acid Encoding a Transiently  
; TITLE OF INVENTION: Expressed Kinetochores Protein, and Methods of Use  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dann, Dorfman, Herrell and Skillman  
; STREET: 1601 Market Street Suite 720  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103-2307  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/16216  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/353,700  
; FILING DATE: 09-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reed, Janet E.  
; REGISTRATION NUMBER: 36,252  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 563-4100  
; TELEFAX: (215) 563-4044  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3248 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
; PCT-US95-16216-1

Query Match 7.2%; Score 172.5; DB 5; Length 3248;  
Best Local Similarity 24.3%; Pred. No. 2.4e-05;  
Matches 74; Conservative 53; Mismatches 109; Indels 69; Gaps 10;

QY 56 KTIINKLFFDLQAEEN-----VLDAEFLKNELDSVKAOL-----SOK 93  
Db 2249 KDKVENLERELQMSSENOELVILDAENSKAEVETLKQIEEMARSLKIFELDLVTLRSEK 2308  
QY 94 D-----REKDSOAIIIDTLRDTL-----EERNATVESIONALKAEMLC 132  
Db 2309 ENLTKQIOEKQOGSELDKLISFKSLLEEQAEOIQIEESKTAVEMLOQLKELNEAV 2368  
QY 133 STL---KKOMKFLBQROD---ETKQAREEHAHLCKMKTMEOJELLQSORSE-----179  
Db 2369 AALGDOEIMKATQSDLPPIEEHQLRNSIEKLRAHLEADEKKQLCVLQOLKESEHHAD 2428  
QY 180 -----VEEMIDMGVQSAVEQLAVYCVSLKKEYENLKEARKATGELADRLKDLVSSRS 234  
Db 2429 LKRGVENLERELEIARTNOEHALAEANSKGEVETLAKIEGWTQSLRGLELDVVTIRS 2488  
QY 235 KLTTLNTELDQ----AKLEL--RSAOKDQASADOEITSLRKSDPPGNLE-PASATNE 286  
Db 2489 EKEMLTNELQEKQERISELEIINSSFENIIOEKQEKVQMKESSTAMEMLOTLKELNE 2548  
QY 287 TVSRU 291  
Db 2549 RVAL 2553

RESULT 11  
PCT-US93-03077-1  
; Sequence 1, Application PC/TUS9303077  
; GENERAL INFORMATION:  
; APPLICANT: Board of Regents, The University of Texas System  
; APPLICANT: Gaynor, Richard B.  
; APPLICANT: Wu, Foon Kin  
; TITLE OF INVENTION: PROTEIN CELLULAR FACTOR USEFUL FOR  
; TITLE OF INVENTION: REGULATING GENE EXPRESSION  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/03077  
; FILING DATE: 19930331  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/862,025  
; FILING DATE: April 2, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kammerer, Patricia A.  
; REGISTRATION NUMBER: 29,775  
; REFERENCE/DOCKET NUMBER: UTPD270PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 713-787-1540  
; TELEFAX: 713-749-2679  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1093 amino acids  
; TYPE: AMINO ACID  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; PCT-US93-03077-1

Query Match 7.1%; Score 170; DB 5; Length 1093;

Best Local Similarity 20.2%; Pred. No. 8.4e-06;  
Matches 107; Conservative 79; Mismatches 203; Indels 140; Gaps 17;

```

QY 66 LAQEEENVLAEPKLNELDSYKALQSDKREKRSQAIIIDRLTL---EERNATVSLSQ 122
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 441 LSEKEDVCKVEFENFEREALSLSKELALFALFKEMERFVESSSSSLK 500
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 123 N-----ALNKAEMLC---STLKROMK-----PLEORODETKQARE 154
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 501 DEFQRIAEAEKKYQLACKERDAKKKEIKNKEELATRLNSETADLLKEDEQIRGLME 560
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 155 EAHRLCKMKTMEQIELLLQSQRSEVEEMIRDMGVGSAVEQLAVYCVSLKREYENLKEA 214
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 561 EGKRLSKQOLHNSNIKKRLAKDKENENYAKL---NKKVKEEELHQLKQVLGKREEV 617
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 215 RKATGELADRLKDLVSRSKLTINTELDOAKLELSAQKDLQSAQDETSLKSKSDP 274
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 618 EKQREHRIKKLNSMVEROEKDLGLQVDMDELEKKNRSIQAAIDSAVKELTDLKANAAR 677
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 275 PGNLEPASATNETVSRVLFESPAPVEMMNPRLHQP-----PFGD----- 313
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 678 DSEKQEAALSRKAK--EELSALEKAKQEAARQOETLAIQVDDLALQRTQAAARK 735
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 314 -----ET-----DLNTTFDVNTPP-----TQSGSOHCPLPKL--- 341
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 736 EDYLHEIGELQRLQEAENRNQELSQSVSSTTRPLRQIENLQATLGSGTSMEKLEKN 795
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 342 -----CLRRASPMONVAKKVKVSKPESQSLGQ---RCVGEIDDELAG 384
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 796 LSRIGESSQTLAAAVERRAATEELLANKIQMSMESQNSLLQENSRFQAOLESE--- 852
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 385 APLFLINNAVLGOKOPN-----RTTAESRSSTDVVRIGFDLGRTFQ 429
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 853 -----KNRLCKLEDENNRQVLEENLKDEYVRLTEETREKKTILNSOLE--MRMAYEQ 904
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 430 PRDTTIRPVVSKSAKSKQV-----RIKTVSSASQPKLDT--FLCQ 470
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 905 ERKKAIFTQETIKERKRPFSVSTPTMSRSSISGVMAGLQISFLSQ 953
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

## RESULT 12

```

US-09-085-199b-5
; Sequence 5, Application US/09085199B
; Patent No. 6235879
; GENERAL INFORMATION:
; APPLICANT: Hayden, Michael R.
; APPLICANT: Hackam, Adigali
; APPLICANT: Huq, A.H.M. Mahbubul
; APPLICANT: Chopra, Vikramjit Singh
; APPLICANT: Kaichman, Michael
; TITLE OF INVENTION: Apoptosis Modulators That Interact with the
; TITLE OF INVENTION: Huntington's Disease Gene
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Oppedahl & Larson
; STREET: PO Box 5270
; CITY: Frisco
; STATE: CO
; COUNTRY: USA
; ZIP: 80443-5270
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 Inch, 1.44 Kb storage
; OPERATING SYSTEM: MS DOS 5.0
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,199B
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Marina T.
; REGISTRATION NUMBER: 32038
; REFERENCE/DOCKET NUMBER: UBC-P-013052

```

## TELECOMMUNICATION INFORMATION:

```

; TELEPHONE: (970) 668-2050
; TELEFAX: (970) 668-2052
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1090
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: no
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; OTHER INFORMATION: Huntington-interacting protein
; US-09-085-199b-5

```

## Query Match

7.1%; Score 169; DB 4; Length 1090;

Best Local Similarity 23.0%; Pred. No. 1e-05;  
Matches 110; Conservative 94; Mismatches 192; Indels 82; Gaps 23;

```

QY 50 RIQYCKKTIINKLEFFDIAOE---EENVLAEPKLNELDSYKALQSDKREKRSQAIIID 105
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 453 RVYLQTLGHVSELEADIAEQHLRQQAADCEFLRAEIDELRRQREDTERAQR--SLSEIE 511
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 106 TLRLTLEERNATVESLQNAL--NKAEML--CSTLKROMKMLEORQ---DETQAREAH 157
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 512 RKAQANDRYSKLEKSELYONHADLRLKNAEYTKOVSMAHQAVDLERKKELESLE 571
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 158 RL--KCKMKTMEQIELLLQSQRSEVEEMIRDMGVGSAVE-----QLAVYCVSLKREY 208
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 572 RISDQGRKTQEOLE-VLESJKQELATSQRELQYLGSLFSAQSEANMAAEFALDKER 630
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 209 ENLKEARKATGELADRLKDLVSRSKLTINTEL-----DQAKLELSAQKDLQSAQDOE 263
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 631 DSLVSGAHRREELSAULRKELODTQLKLASTEESMCOIAKQORMLLVGSKK--AAEOV 687
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 264 ITSLRKSDDPP-----GNLEPASATNETVSRVLFESP-----AVEMMNPRLHQP 311
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 688 IQDALNQLDEPPLISCAGSADHLSTVTSISSCIEOLEKSNQYLAQPEDISGLHSITL 747
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 312 -----GDEIDLNTTFDVNTPPTQT--SGSOHC-----LPKLCLEARRS--PMQ 351
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 748 LAHLTSDAIAHGCATTCRAPPEPADISLEACKQYGRETIATLALLEEGLSENMDSTAMR 807
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 352 NVLKKVHKVSKPESQSLG---GORCVGEL--DEELAGAFPLFINNAVVGOKOPNRTTAES 407
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 808 NCLSKIRAIG--EBLLPRGLDIOKEELGDLVDKEMA--ATSAIETAT---ARIEMLSKS 861
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 408 RSSSTDVVRIGFDG--LGRTFQPRDTTIRPVVSKSAKSKQVRIKTVSSASQPK 463
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 862 RAGDTGVKLEVERILGCTISLMOAIOVLIV-----ASKDLQREIVESGRTGASPK 912
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

## RESULT 13

```

US-08-533-306A-2
; Sequence 2, Application US/08533306A
; Patent No. 5837457
; GENERAL INFORMATION:
; APPLICANT: Liu, Pu
; APPLICANT: Collins, Francis S.
; APPLICANT: Siciliano, Michael J.
; APPLICANT: Claxton, David
; TITLE OF INVENTION: Markers for Detection of Chromosome 16
; TITLE OF INVENTION: Rearrangements
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: USA
; ZIP: 48303

```

```
COMPUTER READABLE FORM:
:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/533,306A
: FILING DATE: September 25, 1995
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Smith, Deann F.
: REGISTRATION NUMBER: 36683
: REFERENCE/DOCKET NUMBER: 2115-00869COB
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (810) 641-1600
: TELEFAX: (810) 641-0270
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 576 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
: US-08-533-306A-2
```

```
Query Match          7.0%; Score 168.5; DB 2; Length 576;
Best Local Similarity 23.8%; Pred. No. 4.6e-06;
Matches 65; Conservative 54; Mismatches 99; Indels 55; Gaps 10;
```

```
QY 65 DLAOEENVLDLAEFLKNELDVSKAQLSOK-----DREKRDQAIIIDLRLDLEE 113
D 326 DLMLOEDLAAERARKQADLEKEBELASLSGRNALODEKRRLEARIQAQLEELLEE 385
QY 114 RNATVESLONLANK-----AEMLC-----STLKQKMFLEORODETQKAEBAHRL--- 159
D 386 EQGMEAMSDVRKATQQAQEQLSNELATERSTAQKNESARQOLERONKELSKLHEMGCA 445
QY 160 -KCKMK-TMEQIELLOSQSEVEEMIRDMGVGSAVEQLAVYCVSLKKEVENLKEARKA 217
D 446 VKSKFKSTIALLEAKIAQLEQVEQEAEREK---QAATKSLQKDKKLEILLQYEDERK- 501
QY 218 TGEIADRLKKDVLSSRSKLTLTNLELDAKLELSAQKDLQSDAQDETSLRKSDDPPGN 277
D 502 ---MAEQYKEQAEGKGNARVKQLKROLEBAEER-----SORINANRRKIQ---RE 544
QY 278 LEPAATNETVSRVLVFESPAPVEMNRLHOPP 310
D 545 LDEATESNEAMGR-----EVNALKSKLRGPP 570
```

```
RESULT 14
US-08-742-923A-2
: Sequence 2, Application US/08742923A
: Patent No. 5869611
: GENERAL INFORMATION:
: APPLICANT: Liu, Pu
: APPLICANT: Collins, Francis S.
: APPLICANT: Siciliano, Michael J.
: APPLICANT: Claxton, David
: TITLE OF INVENTION: Markers for Detection of Chromosome 16
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
: STREET: P.O. Box 828
: CITY: Bloomfield Hills
: STATE: MI
: COUNTRY: USA
: ZIP: 48303
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
SOFTWARE: Patentin Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/742,923A
: FILING DATE: No. 5869611member 1, 1996
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Smith, Deann F.
: REGISTRATION NUMBER: 36683
: REFERENCE/DOCKET NUMBER: 2115-00869DVC
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (810) 641-1600
: TELEFAX: (810) 641-0270
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 576 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
: US-08-742-923A-2
```

```
Query Match          7.0%; Score 168.5; DB 2; Length 576;
Best Local Similarity 23.8%; Pred. No. 4.6e-06;
Matches 65; Conservative 54; Mismatches 99; Indels 55; Gaps 10;
```

```
QY 65 DLAOEENVLDLAEFLKNELDVSKAQLSOK-----DREKRDQAIIIDLRLDLEE 113
D 326 DLMLOEDLAAERARKQADLEKEBELASLSGRNALODEKRRLEARIQAQLEELLEE 385
QY 114 RNATVESLONLANK-----AEMLC-----STLKQKMFLEORODETQKAEBAHRL--- 159
D 386 EQGMEAMSDVRKATQQAQEQLSNELATERSTAQKNESARQOLERONKELSKLHEMGCA 445
QY 160 -KCKMK-TMEQIELLOSQSEVEEMIRDMGVGSAVEQLAVYCVSLKKEVENLKEARKA 217
D 446 VKSKFKSTIALLEAKIAQLEQVEQEAEREK---QAATKSLQKDKKLEILLQYEDERK- 501
QY 218 TGEIADRLKKDVLSSRSKLTLTNLELDAKLELSAQKDLQSDAQDETSLRKSDDPPGN 277
D 502 ---MAEQYKEQAEGKGNARVKQLKROLEBAEER-----SORINANRRKIQ---RE 544
QY 278 LEPAATNETVSRVLVFESPAPVEMNRLHOPP 310
D 545 LDEATESNEAMGR-----EVNALKSKLRGPP 570
```

```
RESULT 15
US-08-533-306A-6
: Sequence 6, Application US/08533306A
: Patent No. 5837457
: GENERAL INFORMATION:
: APPLICANT: Liu, Pu
: APPLICANT: Collins, Francis S.
: APPLICANT: Siciliano, Michael J.
: APPLICANT: Claxton, David
: TITLE OF INVENTION: Markers for Detection of Chromosome 16
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
: STREET: P.O. Box 828
: CITY: Bloomfield Hills
: STATE: MI
: COUNTRY: USA
: ZIP: 48303
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/533,306A
: FILING DATE: September 25, 1995
```





```

; INFORMATION FOR SEQ ID NO: 4:
;
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 885 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;
US-08-533-306A-4

```

Query Match	7.0%	Score 168.5;	DB 2;	Length 885;
Best Local Similarity	23.8%	Pred. NO. 8.4e-06;		
Matches 65, Conservative	54;	Mismatches 99;	Indels 55;	Gaps 10

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Oy 65 DLADDEENVUAAEFUKNLDVVKRKOISOX-----DREKRSOAIHTDRODLEE 113
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 635 DLMQLOEJDLAAERKKRQADLEKEBELAELASSISGKNALODEKRRRLREARKOULEELEE 634
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Oy 114 RNATVESIQNALNK---AEMLC-----STLKOKMFLEORODETKQAREEAHRL-- 159
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 695 EOGNEAMSDVRKATQOAEOLSDNELATERSTAOKNESARQOOLEROKNLEIRSLKHEMGA 754
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Oy 160 -KCKMK-PMEDIEILLLOSQSEVEEMTRDMGVGGSAYEGOLAVYVSUKKEENLKEARKA 217
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 755 VKSRKSTTAALEAKIOALEQVDEQAREK---QAATKSLQKDKKLTKEILLQVDEDERK- 810
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Oy 218 TGEJADRILKLDVSSRSKLTINTLELDQAKLELRSQAOKLOSADQETTSLRKKSDDPGN 277
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 811 ---MAEQYKQEQAGKNARVQOLTKROLEAEDE-----SQRLNANRRKQO---RE 853
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Oy 278 LEPASATNENYSRLVFEESPAYEMANRPLLOPP 310
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 854 LDEATESNEAMGR-----EVNALKSKSLGRPP 879
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

RESULT 18  
US-08-742-923A-4  
Sequence 4, Application US/08742923A  
Patent No. 5869611  
GENERAL INFORMATION:  
APPLICANT: Liu, Pu  
APPLICANT: Collins, Francis S.  
APPLICANT: Siciliano, Michael J.  
APPLICANT: Claxton, David  
TITLE OF INVENTION: Markers for Detection of Chromosome 16  
TITLE OF INVENTION: Rearrangements  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hannes, Dickey & Pierce, P.L.C.  
STREET: P.O. Box 828  
CITY: Bloomfield Hills  
STATE: MI  
COUNTRY: USA  
ZIP: 48303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/742,923A  
FILING DATE: No. 5869611member 1, 1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, Deann F.  
REGISTRATION NUMBER: 36683  
REFERENCE/DOCKET NUMBER: 2115-00869DVC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (810) 641-1600  
TELEFAX: (810) 641-0270  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 885 amino acids  
TYPE: amino acid

```

;      TOPOLOGY:  linear
;      MOLECULE TYPE:  protein
US-08-742-923A-4

```

Query Match	7.0%	Score 168.5	DB 2	Length 885
Best Local Similarity	23.8%	Pred No. 8.4e-06		
Matches 65; Conservative	54;	Mismatches 99;	Indels 55;	Gaps 10

```

OY 65 DLDEEENVLDAEFLKNGDSVKKOLSOX-----DREKRSOAIIDTJRODLEE 113
      || : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 635 DLMQLOEDLAAAEARRKKQADLEKEBELAELASSISGNNALODEKRRLEARRLOEELEE 694
      || : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 114 RNATVESLONALNK---AEMLC-----STLKQKMFLEORODETKQAREEAHRL-- 159
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 695 EOGNEANESDVRKATQOAEOLDSNELATERSTAOKNESARQOLERUNKELRSKLHEMGA 754
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OY 160 -KCKMK-KMBDIELLLQSGRESEEMIRDMKVGOSAYEOLAVYVSUUKKEYNLEKARKA 217
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Db 755 VKSKRSTTALAEKIAOLEBQVDEBAEK---OAAKRSLOKQDKLKEILLQVDEDK- 810
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OY 218 TGEIADRIKLDVRSKFLKTLNTELDQAKLELRSQAOKLOSADQETTSLRKSDDEPGN 277
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Db 811 ---MAEQXKQEAQGNARVQOLKQOLEBAEED-----SQRIANRRKQO---RE 853
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OY 278 LEPASATNIVSRVLFESPAYEVMNPRLOPP 310
      || : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 854 LDEATESNEAMGR-----EVNALKSKSLRGP 879
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; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE: Huntington-interacting protein
US-09-085-1998-4

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Query Match          7.0%; Score 166.5; DB 4; Length 914;
Best Local Similarity 24.0%; Pred. No. 1.3e-05;
Matches 95; Conservative 79; Mismatches 153; Indels 69; Gaps 19;

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QY 50 RIYQKTIITIKLFFDLAQE-----EENVLADEFKLNELDSYKAOLOSQKREKRSQAIIID 105
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 277 RVVLQKGVSELEADLEEQOHLRQQAADCEFLRAELDELRLQREDETEKAQR--SLSEIE 335
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 106 TLRLTLEARNATVESLQAL--NKAEML--GSTLKKQKMFLEQRQ---DETKQAREAH 157
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 336 RKAQNEGRYSKLEKYSSELVQNHADLRKNAEYTKQVSMARQAVDLEREKLEEDLE 395
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 158 RL--KCKKRTMEQIELLLOSOREVEEMIRDMYGOSAVE-----OLAVYCVSLKREY 208
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 396 RISDQGGKKTQGLE-VLESUKQELGTQRELOVLSLETSQAQSEANMAAFALKEKER 454
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 209 ENLKAARKATGLDLRLKLDIVSSRSKLTNTL-----DOAKLELSAQKDOSADQE 263
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 455 DSLVSGAAREBELSALKEKLEIDTQLKLASTEESMCOIAKQKMLLVGSRK---AAEQV 511
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 264 ITSRLKSKDDPP-----GNLEPASATNETVSRVLESP-----APVEMMRPLHQPF 311
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 512 IODALNQLPEPLISCASSADHLSTVTSISCLQLEKSMQYIACPDISGLHSTL 571
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 312 -----GDEIDINTTFDVNTPTQT--SGSOHC-----LPKKLCLELRANS-PMQ 351
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 572 LAHLTSDAIAHGATTCLEARPEPPADSLTEACKQVGRETLAYLASLEEGSLEMASTAMR 631
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 332 NVLKKVHKVSKPESQSLG---GQRCVGL-DEELA 383
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 632 NLSKIKAIK--EELLPRGLDIKQELGLDVLKEMA 665
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

```

```

RESULT 20
US-08-938-105-3
; Sequence 3, Application US/08938105
; Patent No. 6353151
; GENERAL INFORMATION:
; APPLICANT: Leimwand, Leslie A.
; TITLE OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Rose P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938.105
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Crook, Wanneil M.
; REGISTRATION NUMBER: 31,071
; REFERENCE/DOCKET NUMBER: 3595-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:

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```

; LENGTH: 1886 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-938-105-3

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Query Match          6.7%; Score 160; DB 4; Length 1886;
Best Local Similarity 19.3%; Pred. No. 0.00012;
Matches 80; Conservative 80; Mismatches 160; Indels 94; Gaps 12;

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QY 76 AEFKLNELDSYKAOLOSQKREKRSQAIIIDRLTLEARNATVESLQALN----- 126
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1171 SEF-KLELDVTSHEMQIITKAKANLEKYSRLLEDQANEYRVKLEBAQSLNDDFTQRAKL 1229
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 127 -----KAEMLCSLKKQMKLEQRODETKARE-----ARLK-----C 161
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1230 QTEGELAROLEEKELIWOITRGKLSYQOEMDLKRLQLEEGKAKNALAHALQSAHRDC 1289
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 162 -----KMKTMQIELLLOSOREV-----EMIRDMGVG 190
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1290 DLRLQYEEMBAKAELORVLSKANSEVAQMRKYETDAIQRTLELEAKKKLQARLQDA 1349
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 191 QSAVEQOLAVYCVSLKK-----EYENLKAARKATGELADRLKDLVSSRSKLTNTL 243
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1350 EEAVEAVNAKCSLSEKTKHRLQNEIEDLMVDVERSNAAAALDKQRNFDKILMWKQY 1409
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 244 DOAKLELSAQKDOSAOEITSLKSKDDPPGNLEPPASATNETVSRVLESPAVEEMN 303
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1410 BESQSELESSQKARSSTLEFKLNAYEESLEHLETKREKKNLQEBISDLTEOLGEGG 1469
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 304 PRLHQPPGDEID-LNTTFDVNTPTQTSGSOHCPLKKLCLELRANSPMQNVLKKVHKYSK 362
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1470 KNVH-----ELEKTRKOLEVKELOQA-----LEEAASLEHHEGKTLRQL 1512
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QY 363 PESQSLSGQRCVGLDEELAGAPFLFIRNAVYLGQKQPNRTTAESRSSTDVRI 416
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1513 EFNQKAEIERKLAKEDEMEQAKRNHLR--VVDLSLQTS-LDAETFRSNEALRV 1563
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RESULT 21
US-09-310-187A-1
; Sequence 1, Application US/09310187A
; Patent No. 6358751
; GENERAL INFORMATION:
; APPLICANT: Benichou, Gilles
; TITLE OF INVENTION: Involvement of Autoantigens in Cardiac
; TITLE OF INVENTION: Graft Rejection
; FILE REFERENCE: UCSF-090
; CURRENT APPLICATION NUMBER: US/09/310,187A
; CURRENT FILING DATE: 1999-05-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1939
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-310-187A-1

```

```

Query Match          6.7%; Score 160; DB 4; Length 1939;
Best Local Similarity 20.7%; Pred. No. 0.00013;
Matches 73; Conservative 79; Mismatches 161; Indels 40; Gaps 9;

```

```

QY 79 LKNELDYKAOLOSQKREKRSQAIIIDRLTLEARNATVESLQALNKAEMLCSTLKKQ 138
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1289 LARQLEKRALISQLTRGKLSYQOEMDLKRLQLEEGKAKNALAHALQSAHRDCILRQ 1348
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 139 MKFLQRODETKQAREEARLCKMKMTMQIELL-----LQSRSEVEEMIRDMYGOSA 193
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1349 YEETEAKEAELQRVLSKANSEVAQMRKYETDAIQRTLELEBAKKLQARLQD---AEEA 1405
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

```

OY 194 VEQLAVYCSLKK-----EYENLKEARKATGELADRLKDLVSSRSKLTLTLELDOA 246  
Db 1406 VEAVNAKSLSEKTKHRLNLELDMVDEKRSNAALADKQRFDKLLEWKKQYBES 1465  
OY 247 KLEIRSAOKDQSDOELTSLRKSSDDPGNLEPASATNENYSLRYFESSPAVEMNRL 306  
Db 1466 OSELESSOKERKSJSTELFKLMAVESELEHLETFKRNKNLQEEISLDTOLGEGKNV 1525  
OY 307 HQPFGEID-LMTTFVDVNTPTOTSGSQHCLPKKLCLEKASRPQONVLRKVKVSKPES 365  
Db 1526 H-----ELEKVRKQLEVEKLELOSA-----LEENASLEHBECKILRQOLEFN 1568  
OY 366 QLSJAGORCVGELDEELAGAPPLIRN--AVLGOKOPRRTTAESSSTDVVRI 416  
Db 1569 QIKAEIERKLAKEDEMEQA----KRNHORVDSLOTS-LDAETRSRNEVLIRV 1616

RESULT 22  
US-08-095-737-2  
; Sequence 2, Application US/08095737  
; Patent No. 5487979  
; GENERAL INFORMATION:  
; APPLICANT: DiFiore, Pier P  
; APPLICANT: Fazioli, Francesca  
; TITLE OF INVENTION: A Substrate for the Epidermal Growth  
; TITLE OF INVENTION: Factor Receptor Kinase  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe, Martens, Olson & Bear  
; STREET: 620 Newport Center Drive, Sixteenth Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/095.737  
; FILING DATE: 19930722  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israelien, Ned A  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH060.001A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 896 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-095-737-2

Query Match 6.7%; Score 159.5; DB 1; Length 896;  
Best Local Similarity 23.5%; Pred. No. 4.8e-05;  
Matches 70; Conservative 43; Mismatches 88; Indels 97; Gaps 11;  
OY 3 ILSLCTICSDPFHSDRYAAIHGHTPHL--QCLIWFE---TAPSRTCQCRIOYCK 56  
Db 265 IWSLCD-TKDCGKLSKQDFAL----AFHLISQKLIKIGIDPHVLPPEMIPPSDRASLOKN 319  
OY 57 TIINKLFEDLQAEENYVDAEFLKNELDVYKAQLSOKDRERDSOAIIIDTLRDTLEERNA 116  
Db 320 II-----GSSPADFAISAIK-ELDTLNNEIYVDLQREKNNNVODLKEKEDITIKORTS 368  
OY 117 TVESLQNALNKAEMLCSTLKKQMKFLBORODETQOAREEAHRLCKMKMTMQIELLOSO 176

Db 369 EVODLQDEV-----ORENTNLQK-----LQAO 390  
OY 177 RSEVEEMIRMGVGSAAVEQLAVYCVSLKKEENLKEARKATGE---LADRLKDLVSSR 233  
Db 391 KQOVELDELDDEQKAQLE-----EQLKEVRKKCAEQAQLISSLKAELTSQE 437  
OY 234 SKLTLNLELDOA-----KLEIRSAOKDQSDOELTSLRK 270  
Db 438 SOISYEELAKAREELSRLQOETALEBSVESGKAQLEPILOHLDQSOGEISSMOMK 495

RESULT 23  
US-08-480-145-2  
; Sequence 2, Application US/08480145  
; Patent No. 5717067  
; GENERAL INFORMATION:  
; APPLICANT: DiFiore, Pier P  
; APPLICANT: Fazioli, Francesca  
; TITLE OF INVENTION: A Substrate for the Epidermal Growth  
; TITLE OF INVENTION: Factor Receptor Kinase  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe, Martens, Olson & Bear  
; STREET: 620 Newport Center Drive, Sixteenth Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/480.145  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/095.737  
; FILING DATE: 22-JUL-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israelien, Ned A  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH060.001A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 896 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-480-145-2

Query Match 6.7%; Score 159.5; DB 1; Length 896;  
Best Local Similarity 23.5%; Pred. No. 4.8e-05;  
Matches 70; Conservative 43; Mismatches 88; Indels 97; Gaps 11;  
OY 3 ILSLCTICSDPFHSDRYAAIHGHTPHL--QCLIWFE---TAPSRTCQCRIOYCK 56  
Db 265 IWSLCD-TKDCGKLSKQDFAL----AFHLISQKLIKIGIDPHVLPPEMIPPSDRASLOKN 319  
OY 57 TIINKLFEDLQAEENYVDAEFLKNELDVYKAQLSOKDRERDSOAIIIDTLRDTLEERNA 116  
Db 320 II-----GSSPADFAISAIK-ELDTLNNEIYVDLQREKNNNVODLKEKEDITIKORTS 368  
OY 117 TVESLQNALNKAEMLCSTLKKQMKFLBORODETQOAREEAHRLCKMKMTMQIELLOSO 176  
Db 369 EVODLQDEV-----ORENTNLQK-----LQAO 390  
OY 177 RSEVEEMIRMGVGSAAVEQLAVYCVSLKKEENLKEARKATGE---LADRLKDLVSSR 233

Db 391 KQVOELLDELDEQKAOLE-----EOLKEVRKKCAEBAQIISLSKAEILTSQE 437  
 QY 234 SKLKTINTELDQA-----KLELRSAQKDLQASADOEITSLRRK 270  
 Db 438 SQISTYEBELAKAREELSRLOQETAELEESVESGKAQLEPLQHLQDSQOEITSSMOK 495

## RESULT 24

US-08-477-389-2  
 ; Sequence 2, Application US/08477389  
 ; Patent No. 5872219  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DiFiore, Pier P  
 ; APPLICANT: Fazioli, Francesca  
 ; TITLE OF INVENTION: A Substrate for the Epidermal Growth  
 ; TITLE OF INVENTION: Factor Receptor Kinase  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Knobbe, Martens, Olson & Bear  
 ; STREET: 620 Newport Center Drive, Sixteenth Floor  
 ; CITY: Newport Beach  
 ; STATE: California  
 ; COUNTRY: United States of America  
 ; ZIP: 92660  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentln Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/477,389  
 ; FILING DATE: 07-JUN-1995  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/095,737  
 ; FILING DATE: 22-JUL-1993  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Israelson, Ned A  
 ; REGISTRATION NUMBER: 29,655  
 ; REFERENCE/DOCKET NUMBER: NIH060.001A  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (619) 235-8550  
 ; TELEFAX: (619) 235-0176  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 896 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-477-389-2

Query Match 6.7%; Score 159.5; DB 2; Length 896;  
 Best Local Similarity 23.5%; Pred. No. 4.8e-05;  
 Matches 70; Conservative 43; Mismatches 88; Indels 97; Gaps 11;

QY 3 ILSLCTICSDFFHDSRYVAHCHGTHFL--QCLIQME---TAPSTTCQOCRQYK 56  
 Db 265 IWSLCD-TRDGLSKDQFAL---AFHLISQKLIKIDPHTVLPPEMIPSPDRASLOKN 319  
 QY 57 TIINKLFEDLAQEEENVLDAEFLKNELDVKAOLSOQKDRKRSQAIIIDTLRDTLEENNA 116  
 Db 320 IY-----GSSPVADFSAIK-ELDTLNNEIYDLQREKNVNEQDIKEEDITIKQNTS 368  
 QY 117 TVESIQLNALKAEMLCSTLKKQMKFLEQRQDETQQAEREARLCKMKMTMEQIELLSQ 176  
 Db 369 EVOQLQDEV-----QRENTNLQK-----LQAQ 390  
 QY 177 RSEYEMIRDMGVGQSAVEQLAVYCVSLKKEYENIKERKATGE---LADRLKDKDLYSSR 233  
 Db 391 KQVOELLDELDEQKAOLE-----EOLKEVRKKCAEBAQIISLSKAEILTSQE 437

QY 234 SKLKTINTELDQA-----KLELRSAQKDLQASADOEITSLRRK 270  
 Db 438 SQISTYEBELAKAREELSRLOQETAELEESVESGKAQLEPLQHLQDSQOEITSSMOK 495

## RESULT 25

PCT-US93-03077-3  
 ; Sequence 3, Application PC/TUS9303077  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Board of Regents, The University of Texas System  
 ; APPLICANT: Gaynor, Richard B.  
 ; APPLICANT: Wu, Foon Kin  
 ; TITLE OF INVENTION: PROTEIN CELLULAR FACTOR USEFUL FOR  
 ; TITLE OF INVENTION: REGULATING GENE EXPRESSION  
 ; NUMBER OF SEQUENCES: 7  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold White & Durkee  
 ; STREET: P.O. Box 4433  
 ; CITY: Houston  
 ; STATE: Texas  
 ; COUNTRY: USA  
 ; ZIP: 77210  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentln Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US93/03077  
 ; FILING DATE: 19930331  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/862,025  
 ; FILING DATE: April 2, 1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Kammerer, Patricia A.  
 ; REGISTRATION NUMBER: 29,775  
 ; REFERENCE/DOCKET NUMBER: UTPD270PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 713-787-1540  
 ; TELEFAX: 713-749-2679  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 414 amino acids  
 ; TYPE: AMINO ACID  
 ; STRANDEDNESS: unknown  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: peptide  
 ; PCT-US93-03077-3

Query Match 6.6%; Score 158.5; DB 5; Length 414;  
 Best Local Similarity 18.0%; Pred. No. 2e-05;  
 Matches 68; Conservative 73; Mismatches 142; Indels 95; Gaps 8;

QY 66 LAQEEENVLDAEFLKNELDVKAOLSOQKDRKRSQAIIIDTLRDTL---EERNATVESLQ 122  
 Db 5 LSEKEDVCKTVEFLNKKLEKREQLDLSLSEKALLEEAFDNLKDEMPFVKRESSISL 64  
 QY 123 N-----ALNKAEMLC-----STLKKQMK-----FLEQRQDETQQAERE 154  
 Db 65 DEFQRIAEKRYQLACKERDAKKEIKNIKELATRLNSSERADLKEKDEQIRGLME 124  
 QY 155 EAHRLCKMKMTMEQIELLSQSRSEVEEMIRDMGVGQSAVEQLAVYCVSLKKEYENIKEA 214  
 Db 125 EGEKLSKOQLHNSNIKKLRAKDKENENMVAKL---NKKVKELEBELOHLKQVLDGKEEV 181  
 QY 215 RKATGELADRLKDKDLYSSRSKLTINTELDQAKLELSAQKDLQASADOEITSLKSSDP 274  
 Db 182 EKQRENIKRLKINSVVERQEKDLGRLOYDMDELEKRNRSIQALDSAYKELTDLKAANA 241  
 QY 275 PGNLEPASATNETVSRVLTFESPAVPEMMNPRLHQPPFQDEIDLNTTVPVNPPTQTSQS 334

```

Db      242 DSEAQEAALSREM-----254
Oy      335 HCLPKKLCLEBARSPMQLKVKHVSKEPESQ---LSIGGRCVGELEDELGAFFLIR 391
Db      255 -----KAKEELSALEKAEQEAHQOETTAIVGDULALORTQEAARREDEYLR 304
Oy      392 NAVLGQKQPNRTAESRS 409
Db      305 HEI-GELOQRLOEAENRN 321

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RESULT 26
US-09-541-782-2
; Sequence 2, Application US/09541782
; Patent No. 6284480
; GENERAL INFORMATION:
; APPLICANT: NISLOW, COREY
; APPLICANT: Sakowicz, Roman
; APPLICANT: Beraud, Christophe
; TITLE OF INVENTION: Antifungal Assay
; FILE REFERENCE: 1015
; CURRENT APPLICATION NUMBER: US/09/541,782
; CURRENT FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1184
; TYPE: PRF
; ORGANISM: A. nidulans
US-09-541-782-2

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Query Match          6.6%; Score 157; DB 4; Length 1184;
Best Local Similarity 19.7%; Pred. No. 0.00011;
Matches 97; Conservative 88; Mismatches 194; Indels 114; Gaps 16;

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Oy      38 FETAPSRTPCPOCRIOVGKRTIINKLFPDLAQEEENVLDAEFLKMLDSVK-----AQ 89
Db      411 FRANKIRKPKQINSTMPKMTLL-----REFTAEIEKMLKMLTIRHRNGVYSVE 460
Oy      90 LQKDKREKRDQAIIIDITRLTEERNATVESIQNALNKAEMICSTLKQMKFLEORDET 149
Db      461 SYEEKMKMESRRIIS-----EQORAKIESMSSLRKHVOELTLTTSKFNDKKNDT 514
Oy      150 KQAREARHLCKKMTMEQIELLOSORSEVE-----MRDMGVG-----Q 191
Db      515 LAA-----LCTNDVLDQDIDIVLQNTRAQLSEEMLRCAHEETBHQLDQVGKGLITLG 568
Oy      192 SAVQQLAVYCVSLKKEYE---NLKARKATGELADRLK-----227
Db      569 QTVEDINSLOSKDLRKALDATNMLMRASSTEVSDYTKRIDQRYEAFQTHAKLETTS 628
Oy      228 -----DLVSSRSKLTLTLELD---QAKLELSAQKDLQSDADEITSLRKKS 271
Db      629 VKVNEFIATEISNERTSDLSSEYNRSLDAACNNAKAETSSAHEDMNNVLEIKDLREEV 688
Oy      272 DDPGNLEPASATNETVSRLLVFESPAPYEMNPRLHPPFDEIDLTNTTPEVNTPTQTS 331
Db      689 KSKVG--EGLGLSAAAAARISEEVIGEFTQHSQLTHTSFNNLGDKLIFE-----T 738
Oy      332 GSQCLPKKLCLEBARSPMQLKVKHVSKEPESQ---LSIGGRCVGELEDELGAFFLIR 387
Db      739 MATHLSECKKNINLRALQSSNRONITETTHAKASHLAQ-AIEEBHVAALAEKREL-----792
Oy      388 LFINNAVLGQKQPNRTAESRSSTDVYRIGFDGLG---GRTKFTIOPRDTTIIIRPVV-V 441
Db      793 LMSQIKALVEESROKOFARLAKIDGVRTETISASGDMLEQATTTQGHDRQIDEMWVFKEQFA 852
Oy      442 KSKAKSKQKVRIR 454
Db      853 KDVNASKDEIRTK 865

```

```

RESULT 27
US-08-795-475-6
; Sequence 6, Application US/08795475
; Patent No. 5965390
; GENERAL INFORMATION:
; APPLICANT: Bjvick, Lars
; APPLICANT: Sjøvding, Ulf
; TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,475
; FILING DATE: 11-FEB-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mcmasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 100084.402D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SRO ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 443 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-475-6

```

```

Query Match          6.4%; Score 153.5; DB 2; Length 443;
Best Local Similarity 23.0%; Pred. No. 5.7e-05;
Matches 59; Conservative 55; Mismatches 123; Indels 19; Gaps 7;

```

```

Oy      64 FDLAQEEENVLDAEFLKMLDSVKAQLSQK-DREKRSQAIIIDITRLTEERNATVESIQ 122
Db      78 YDLAKESTS-WDRORLEKELEKEKAELELAIDQASRDYHR-ATALEKELEKKKALIELAI 135
Oy      123 NALNKAEMICSTLKQMKFLEORDETQKAREEAHRLCKKMTMEQIELLOSORSEVEE 182
Db      136 DQASQDIYRANVLEKELETTITREOEINRNLLGNA-KLELDLQSSKEQOLTEKKKLEEEK 194
Oy      183 MI-----RDMGVGSAVEQLAVYCVSLKKEYENLEKARKATGELADRLKDLVSSR 233
Db      195 QISDASRQSLRDLSDASBEAKQYKQEKDLANTALTELKDKKEDQISDASRQLRDLSDASR 254
Oy      234 SKLTTLNTELQAKLELSAQKDLQSDADEITSLRKKS-DPPGNLEPASATNETVSRLLV 292
Db      255 EAKKQVEKDLNLTALTELKDKKEDQISDASRQLRDLSDASREAKKQVEKALBEANSXL- 313
Oy      293 FESPAPYEMNPRLHQ 308
Db      314 ----AALEKLNKLEEE 325

```

```

RESULT 28
US-09-104-324B-4
; Sequence 4, Application US/09104324B
; Patent No. 6232460
; GENERAL INFORMATION:
; APPLICANT: T rechl, Ozlem; Sahin, Ugur; Pfrendtschuh, Michael

```

;; TITLE OF INVENTION: Methods For Diagnosis And Treating Cancers,  
;; TITLE OF INVENTION: And Methods For Identifying Pathogenic Markers In A Sample Of  
;; TITLE OF INVENTION: No. 6232460mal Cells  
;; NUMBER OF SEQUENCES: 4  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Fulbright & Jaworski LLP  
;; STREET: 666 Fifth Avenue  
;; CITY: New York City  
;; STATE: New York  
;; ZIP: 10103  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage  
;; COMPUTER: IBM  
;; OPERATING SYSTEM: PC-DOS  
;; SOFTWARE: Wordperfect  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/104,324B  
;; FILING DATE: 25-June-1998  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/892,702  
;; FILING DATE: 15-July-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Hanson, No. 6232460man D.  
;; REGISTRATION NUMBER: 30,946  
;; REFERENCE/DOCKET NUMBER: LUD 5491  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 318-3000  
;; TELEFAX: (212) 752-5958  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 976 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; US-09-104-324B-4

Query Match 6.48; Score 153.5; DB 4; Length 976;

Best Local Similarity 21.78; Pred. No. 0.00017;  
Matches 80; Conservative 66; Mismatches 142; Indels 79; Gaps 12;

QY 65 DLAAEENVLDAAFLKLN-ELDSVKAOLSOQKRE-KRDSQAIIIDTLRDLTEERNATVESIQ 122  
D 501 DLKTELEN---EKLKNTLHSHCNKLSLENKELTQESDMLTELKNOQEDINNKKQEE 556  
QY 123 NALKKAEMLCSTLKKOKMFLERODETQAEFEAHLKCKKAKTMEQ---TELLLOSORS 178  
D 557 RMLKQIENLQETQLRNELETVREELKQKRD---VCKSLDKSEENCNINLRKOVENK 613  
QY 179 EEEEM-----IRDMVGOSAVEOLAVVCSYLSKKEVENLKAEKATGELADRLKKDLVSS 232  
D 614 YIEELQDENKALKKGAES--KQINVEIKVYKLELELESACKQFGEITDTYQKEIEDK 671  
QY 233 RSKLTNLTLEDOAKL---ELRSAOKDL----- 257  
D 672 KISEENLEEEVKAAYLADEAVLKQKEIDKRCQKIAEMVALMEKHKHQYKIIIEERDSE 731  
QY 258 ----QSADQETLSLRKSSDDPGN-----LEPASATNETVSLVESPAPVEMM 302  
D 732 LGLYKSKQEOSSLRASLEIELSNLKAELLVKKQLEIEEREKELKREAKENTATLEK 791  
QY 303 NPLRHQPFGEIDLNTFFDVTNPTQF-----SGSQHCLRK---KLCLEARSFMQNVL 354  
D 792 KDKTQTFLLTPELTYWKLDKAVPSQTVSRNFTSVDHGISKRDYIMTSAKNTLSTPL 851  
QY 355 KKVHKVSKP 363  
D 852 PKATVTKP 860

RESULT 29  
US-08-466-390-4  
; Sequence 4, Application US/084466390

;; Patent No. 5686562  
;; GENERAL INFORMATION:  
;; APPLICANT: TONKATLY, GARY  
;; APPLICANT: LIGARD, GRAHAM P  
;; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
;; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX  
;; NUMBER OF SEQUENCES: 6  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: TESTA, HURWITZ & THIBEAULT  
;; STREET: 125 HIGH STREET  
;; CITY: BOSTON  
;; STATE: MA  
;; COUNTRY: USA  
;; ZIP: 02110  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/466,390  
;; FILING DATE: 06-JUN-1995  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: PITCHER ESQ, EDMUND R  
;; REGISTRATION NUMBER: 27,829  
;; REFERENCE/DOCKET NUMBER: MTP-013  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 248-7000  
;; TELEFAX: (617) 248-7100  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 2101 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; US-08-466-390-4

Query Match 6.48; Score 152.5; DB 1; Length 2101;

Best Local Similarity 21.38; Pred. No. 0.00061;  
Matches 107; Conservative 78; Mismatches 213; Indels 105; Gaps 21;

QY 44 RTCFQCRQ---VGKTIINKLFFDLAQBENY-----LDAEFLKNELDVSKAOLSOQK 93  
D 1421 RTAQDLREKASYAEQUSMLKKAHGLAEENRGJGERANLGRQFLVLELDAREKRYQEL 1480  
QY 94 ----DREKRSQAIIIDTLRDLTEERNATVESIQNALNKAEL-MCSTLKKOMFLEROD 147  
D 1481 AAVRADAETR-----LAEVQREAOASTARELEVMTAKYEGAVKYVLEERQROEEROK 1532  
QY 148 ETQAREEAHL-----KCKMTMEQTELLLOSOR--SEVEEMIRDMVGOSOA 193  
D 1533 LTAQVEELSKKLADSDQASKYQOQKLVAVQAQGESQOEAFQFQALNELOAOLSOKEQA 1592  
QY 194 VEQLAVVCSYLSKKEVENLKAEKATGE---LADRLKKDLVSSRKLTLNLTLEDOAKLEL 250  
D 1593 AEHYKLOWEKAKTHYDAKQONQELQELRSLEQLEKNEKLELRABAEYLGHELDQAGKLT 1652  
QY 251 RSAQKDLQSAQDOETLSLRKSSDDPGNLEPASATNETVSRVLFSPAPVEMMPLRHQP 310  
D 1653 KEAQDTCHLTAQVRSLEAVAHADQQLRDGKFOVATDALKSREPAKPOLDLISI----- 1708  
QY 311 FGDEIDLN---TFPDVNT--PPTQTSG-----SCHCLPKLCLE----- 344  
D 1709 --DSLDSCEEGTPLSTSKLPRQPDGTSVGPBASPISQRLPKVESLSLYFTPIPA 1766  
QY 345 RARSPQNVALKVHKVSKPESQSLGQOR-----CVELD-ELLAGAFPLF--IRN 392  
D 1767 RSQAPLESLSLDGVLDSGRKTRSAKRRRTQIINITMKLLVDEEDSNSSFSYSTRS 1826  
QY 393 AVLQKQKPNRTTAASRSSTDVVRIGFDLGGRTFKIQP--BDTIIIRVPYKSAKSK 450





Db 1533 LTAQVEELSKKLADSDQASKVQOQKLAQAQOGGSEQOEAQFOAQJNELQAOLSOKEQA 1592  
QY 194 VEQLAVYCVSLKKEYLENKREARKATGE---LADRLKKDLVSSRSKLTINTLDELQAKLEL 250  
Db 1593 AEHKKLOMERAKTHYDAKKQONQELQOLRSLEJOKENKELRAEAEHLGHELOQAGIKT 1652  
QY 251 RSAQKLOSAQOELTSLRRKSDPPGNLEPASATNETVSRVLFESPAPVEEMNRLHQPP 310  
Db 1653 KEAQOTCRHLTAQVRSLEAQVAHADQQLRLDGLGFQVATDALKSREPOAKPOLDLSTI----- 1708  
QY 311 FGDEIDLN-----TFEDVNT--PPTQTSQ-----SQHCLPKKLCLE----- 344  
Db 1709 --DSLDSLSCGEGTPLSTSKLPRTQPDGTSVGPBPASPIQSRLPKVESLESILYFTPIPA 1766  
QY 345 RARSPMONVLLKVKHVKSPESQSLGQOR-----CVELD-ELLAGAPLFE--IRN 392  
Db 1767 RSQAPLSSSLDGLDVLDSGRKTRRSARRTQIINTMTKKLVEEPDSANSSFYSTRS 1826  
QY 393 AVLGOKQPNRTTASRSSTDVVRIGFDGLGRTEFIQ--RDTTIIIRPVYKSAKSKOK 450  
Db 1827 APASQASLRATS---STQSLARLSPDYGNALLSLPGYRPTT-----RSSARRSQ- 1874  
QY 451 VRITVSSASQPKLDTF---LCQ 470  
Db 1875 ---AGVSSGAPPGGRNSPFYMGTCQ 1894

RESULT 32  
US-08-195-487-4  
; Sequence 4, Application US/08195487  
; Patent No. 5783403  
; GENERAL INFORMATION:  
; APPLICANT: TONKATLY, GARY  
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
; NUMBER OF SEQUENCES: 6  
; ADDRESS: TESTA, HORWITZ & THIBEAULT  
; STREET: 53 STATE STREET  
; CITY: BOSTON  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/195,487  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/901,701  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PITCHER ESO, EDMUND R  
; REGISTRATION NUMBER: 27,829  
; REFERENCE/DOCKET NUMBER: MTP-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/248-7100  
; TELEFAX: 617/248-7100  
; INFORMATION FOR SEQ. ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2101 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-195-487-4

Query Match 6.4%; Score 152.5; DB 1; Length 2101;

Best Local Similarity 21.3%; Pred. No. 0.00061;  
Matches 107; Conservative 78; Mismatches 213; Indels 105; Gaps 21;  
QY 44 RTCQCRQ-----VGKTIINKLEFFDLAQEEEN-----LDAELKNELDVSKAQOLSK- 93  
Db 1421 RTAQOLRAEKASVYAEQJLSEMLKAGGLAEENRGGERANRGROPLEVELDAREKRYQEL 1480  
QY 94 ---DREKRSQALIDPLRLDLEERNATVESLONALNKAE-MCSTLTKKMKLEBOD 147  
Db 1481 AAVRADAETR-----LAEVOREAOSTARELEVMATAKEGAKVYKLEERQREEROK 1532  
QY 148 ETKQAREBAHRL-----KCKMKTMEQJLELLQSOR--SEVEEMTRDMGVGQSA 193  
Db 1533 LTAQVEELSKKLADSDQASKVQOQKLAQAQOGGSEQOEAQFOAQJNELQAOLSOKEQA 1592  
QY 194 VEQLAVYCVSLKKEYLENKREARKATGE---LADRLKKDLVSSRSKLTINTLDELQAKLEL 250  
Db 1593 AEHKKLOMERAKTHYDAKKQONQELQOLRSLEJOKENKELRAEAEHLGHELOQAGIKT 1652  
QY 251 RSAQKLOSAQOELTSLRRKSDPPGNLEPASATNETVSRVLFESPAPVEEMNRLHQPP 310  
Db 1653 KEAQOTCRHLTAQVRSLEAQVAHADQQLRLDGLGFQVATDALKSREPOAKPOLDLSTI----- 1708  
QY 311 FGDEIDLN-----TFEDVNT--PPTQTSQ-----SQHCLPKKLCLE----- 344  
Db 1709 --DSLDSLSCGEGTPLSTSKLPRTQPDGTSVGPBPASPIQSRLPKVESLESILYFTPIPA 1766  
QY 345 RARSPMONVLLKVKHVKSPESQSLGQOR-----CVELD-ELLAGAPLFE--IRN 392  
Db 1767 RSQAPLSSSLDGLDVLDSGRKTRRSARRTQIINTMTKKLVEEPDSANSSFYSTRS 1826  
QY 393 AVLGOKQPNRTTASRSSTDVVRIGFDGLGRTEFIQ--RDTTIIIRPVYKSAKSKOK 450  
Db 1827 APASQASLRATS---STQSLARLSPDYGNALLSLPGYRPTT-----RSSARRSQ- 1874  
QY 451 VRITVSSASQPKLDTF---LCQ 470  
Db 1875 ---AGVSSGAPPGGRNSPFYMGTCQ 1894

RESULT 33  
US-08-483-924-4  
; Sequence 4, Application US/08483924  
; Patent No. 5882876  
; GENERAL INFORMATION:  
; APPLICANT: TONKATLY, GARY  
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
; NUMBER OF SEQUENCES: 6  
; ADDRESS: TESTA, HORWITZ & THIBEAULT  
; STREET: 125 HIGH STREET  
; CITY: BOSTON  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/483,924  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PITCHER ESO, EDMUND R  
; REGISTRATION NUMBER: 27,829  
; REFERENCE/DOCKET NUMBER: MTP-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-7100  
; TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2101 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-483-924-4

Query Match 6.4%; Score 152.5; DB 2; Length 2101;  
Best Local Similarity 21.3%; Pred. No. 0.00061;  
Matches 107; Conservative 78; Mismatches 213; Indels 105; Gaps 21;

44 RTCPQCRIO-----VGKRTIINKLFFDLAEOEEN-----LDAEFLKLNELSVKAOISOK- 93  
1421 RTAQQLRARAKSYAEQSLMKKANGHLLAEENRGIGERANLGRQFLVELDQAREKYVDEL 1480  
49 -----DREKRSQAIIIDRLDTEERNATVESLONALNKA-MLCSTLKQMKFLEOROD 147  
1481 AAVRADAEETR-----LAEVQREAOSTARELEVMYAKYGAKVKVLEERQRFQEEBOK 1532  
148 ETKQAREEAHL-----KCKKMTMEQIEELLQSOR--SEVEEMTRDMGVGOSA 193  
1533 LTAQVEELSKRLADSDQASKVQOQLKAVQAQGGESQGEAORFQOQLNELQAQISQKEDA 1592  
194 VEOLAVYCVSLKKEYEINKEARKATGE--LADRLKDLVSSRSKLTNTLDELQAKLEL 250  
1593 AEHYKIQMEKAKTHYDAKKQNOELQELQRLSLEQLKENEKELRAEERLGHLEQAGLKT 1652  
251 RSAQKDLQADQOEITSLRKSDDPPGNIPEASATNETVSRVLESPAPAEVMMNRLHOP 310  
1653 KEAEQTCRHILTAQVNSLEAQVAHADQQLRDLGKFGVATDAKSRBPQAKPOLDLISI-- 1708  
311 FGDEIDLN-----TFEDVNT--PPQOTSG-----SOHCLPKKLCLE----- 344  
1709 --DSLDLSCERGTPLSITSKLPRTQPDGTSVGPBPASPIISORLPKVESLSLFTPIPA 1766  
345 RARSPQWNLKRVHKSPPESOLSLGQOR-----CVGELD-EELAGAFPLF--TRN 392  
1767 RSOAPLESLSLDGVLFDGSKRTKSARRRTQIINIMTKKLDVEEDDSANSSYSTRS 1826  
393 AVLQOKOPNRTTAESRSTDVVRIGFDGLGRTKFIQ--RDTTIIRPVYKSAKSKOK 450  
1827 APASQASLRATS---STOSLARLGSPPYGNALSLLPGYRPTT-----RSSARRSQ- 1874  
451 VRKTVSSASQPKLDTF---LCQ 470  
1875 ---AGVSSGAPGRNSFYMGTCQ 1894

RESULT 34  
US-09-452-294-1  
Sequence 1, Application US/09452294  
Patent No. 6287790  
GENERAL INFORMATION:  
APPLICANT: Lelievre, Sophie  
APPLICANT: Bissell, Mina  
TITLE OF INVENTION: UTILIZATION OF NUCLEAR STRUCTURAL PROTEINS FOR TARGETED  
TITLE OF INVENTION: THERAPH AND DETECTION OF PROLIFERATIVE AND  
FILE REFERENCE: IB-1454- Sequence Submittal  
Patent No. 6287790  
CURRENT APPLICATION NUMBER: US/09/452,294  
CURRENT FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: 60/110,420  
PRIOR FILING DATE: 1998-11-30  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 2101  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-452-294-1

Query Match 6.4%; Score 152.5; DB 4; Length 2101;  
Best Local Similarity 21.3%; Pred. No. 0.00061;  
Matches 107; Conservative 78; Mismatches 213; Indels 105; Gaps 21;

44 RTCPQCRIO-----VGKRTIINKLFFDLAEOEEN-----LDAEFLKLNELSVKAOISOK- 93  
1421 RTAQQLRARAKSYAEQSLMKKANGHLLAEENRGIGERANLGRQFLVELDQAREKYVDEL 1480  
94 -----DREKRSQAIIIDRLDTEERNATVESLONALNKA-MLCSTLKQMKFLEOROD 147  
1481 AAVRADAEETR-----LAEVQREAOSTARELEVMYAKYGAKVKVLEERQRFQEEBOK 1532  
148 ETKQAREEAHL-----KCKKMTMEQIEELLQSOR--SEVEEMTRDMGVGOSA 193  
1533 LTAQVEELSKRLADSDQASKVQOQLKAVQAQGGESQGEAORFQOQLNELQAQISQKEDA 1592  
194 VEOLAVYCVSLKKEYEINKEARKATGE--LADRLKDLVSSRSKLTNTLDELQAKLEL 250  
1593 AEHYKIQMEKAKTHYDAKKQNOELQELQRLSLEQLKENEKELRAEERLGHLEQAGLKT 1652  
251 RSAQKDLQADQOEITSLRKSDDPPGNIPEASATNETVSRVLESPAPAEVMMNRLHOP 310  
1653 KEAEQTCRHILTAQVNSLEAQVAHADQQLRDLGKFGVATDAKSRBPQAKPOLDLISI-- 1708  
311 FGDEIDLN-----TFEDVNT--PPQOTSG-----SOHCLPKKLCLE----- 344  
1709 --DSLDLSCERGTPLSITSKLPRTQPDGTSVGPBPASPIISORLPKVESLSLFTPIPA 1766  
345 RARSPQWNLKRVHKSPPESOLSLGQOR-----CVGELD-EELAGAFPLF--TRN 392  
1767 RSOAPLESLSLDGVLFDGSKRTKSARRRTQIINIMTKKLDVEEDDSANSSYSTRS 1826  
393 AVLQOKOPNRTTAESRSTDVVRIGFDGLGRTKFIQ--RDTTIIRPVYKSAKSKOK 450  
1827 APASQASLRATS---STOSLARLGSPPYGNALSLLPGYRPTT-----RSSARRSQ- 1874  
451 VRKTVSSASQPKLDTF---LCQ 470  
1875 ---AGVSSGAPGRNSFYMGTCQ 1894

RESULT 35  
PCT-US93-06160-4  
Sequence 4, Application PC/TUS9306160  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: TESTA HURWITZ & THIBEAULT  
STREET: 53 STATE STREET  
CITY: BOSTON  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/06160  
FILING DATE: 19930621  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: PITCHER ESQ, EDMUND R  
REGISTRATION NUMBER: 27,829  
REFERENCE/DOCKET NUMBER: MTP-013  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/248-7000

TELEFAX: 617/248-7100  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2101 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US93-06160-4

Query Match 6.4%; Score 152.5; DB 5; Length 2101;  
 Best Local Similarity 21.3%; Pred. No. 0.00061;  
 Matches 107; Conservative 78; Mismatches 213; Indels 105; Gaps 21;

QY 44 RTGQCRIQ-----VGKTIINKLFEDLAQEEEN-----LDAEFLKNDLSVKAQLSQK- 93  
 DB 1421 RTAQQLREKASYADQSLMKLKAHGLAEENRGIGERANLRQPLEVLDAREYYOEL 1480  
 QY 94 -----DREKRDQAIIIDRLDTEERNATVESLONALNKAE-MLCSTLKQMKFLEOROD 147  
 DB 1481 AAVARADAEFR-----LAEQREAGSTARELEVMTAKYGAKYKVLVEERQREKQK 1532  
 QY 148 ETQAREEAEHL-----KCKMKTMEQIELLQSQR--SEVEEMIRDMGVGQSA 193  
 DB 1533 LTAQVEELSKKLADSDQASKYQOQKIKAVQAQGEQOEAQRFQALNELQAQLSQKQQA 1592  
 QY 194 VEOLAVYCVSLKKEYENKEKRAKATGE---LADRLKNDLVSSRSKLTNTLNDQAKLEL 250  
 DB 1593 AEHYKLOWEKAKTHYDAKQNOELQELRSLEOLQKKNKELRAEAEHLGHELOAQAGIKT 1652  
 QY 251 RSAQKDLQASDOEITSLRKKSDPPGNLEPASATNETVSRLVFESPAVEAMNPLHQPP 310  
 DB 1653 KEAQGTCHLTAQVRSLEAQVAHADQQLRDLGKFOVATDAKSKRPQAKKPOLDSI----- 1708  
 QY 311 FGDEIDLN---TFPDVNT--PPTQTSG-----SOHCLPKKLCLE----- 344  
 DB 1709 --DLDLISCEBGTPLSTISKLPRTQPDGTSVGEPAASPIQSRLPKVSLSLVFTPIPA 1766  
 QY 345 RARSPMGNVLKVKYKVSRESQSLSIGQR-----CVELD-ELAGAFPLF--IRN 392  
 DB 1767 RSQAPLESLSLDVDFLDGSRKTRSAARRTQIINITMKRLDVEEDSANSSEYSTRS 1826  
 QY 393 AVLQOKOPNRTTAESSRSTDVVRIGFDLGRTKFTOP--RDTTILIRVPYKSKAKSKOK 450  
 DB 1827 APAQASLRATS-----STQSLARLGSPDYGSALLSLPGYRPT-----RSSARRSQ- 1874  
 QY 451 VRITVSSASQPKLDTF---LCQ 470  
 DB 1875 ---AGVSSGAPPGGRNSPFYMGTCQ 1894

RESULT 36  
 US-09-085-199B-11  
 Sequence 11, Application US/09085199B  
 Patent No. 6235879  
 GENERAL INFORMATION:  
 APPLICANT: Hayden, Michael R.  
 APPLICANT: Hackam, Abigail  
 APPLICANT: Hug, A.H.M. Mahbubul  
 APPLICANT: Chopra, Vikramjit Singh  
 APPLICANT: Kalchman, Michael  
 TITLE OF INVENTION: Apoptosis Modulators That Interact with the  
 TITLE OF INVENTION: Huntington's Disease Gene  
 NUMBER OF SEQUENCES: 44  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Oppe Dahl & Larson  
 STREET: PO Box 5270  
 CITY: Frlisco  
 STATE: CO  
 COUNTRY: USA  
 ZIP: 80443-5270  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Kb storage

COMPUTER: IBM Compatible  
 OPERATING SYSTEM: MS DOS 5.0  
 SOFTWARE: Wordperfect  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/085.199B  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Larson, Marina T  
 REGISTRATION NUMBER: 32038  
 REFERENCE/DOCKET NUMBER: UBC-P-013052  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (970) 668-2050  
 TELEFAX: (970) 668-2052  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1068  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: no  
 ORIGINAL SOURCE:  
 ORGANISM: mouse  
 FEATURE:  
 OTHER INFORMATION: Huntington-interacting protein -mhipia  
 US-09-085-199B-11

Query Match 6.2%; Score 149; DB 4; Length 1068;  
 Best Local Similarity 20.1%; Pred. No. 0.00046;  
 Matches 67; Conservative 68; Mismatches 100; Indels 98; Gaps 12;

QY 30 HLCCLIQEFETAPSTCQCRIQV-----GKTIINKLFEDL-----ADBEENVLDAE 77  
 DB 298 HIKPVVITPEEAPPEEENLEISAPPAGEPVVADLFQGTGPPGSMKDRDQIE 357  
 QY 78 FLKNELDVSKQOLSO-----KDREKRDQAIIIDT--LDTLLE 112  
 DB 358 NIKREVETLRADLEKIKNEAQRYSQLKGQVNGLEAELEBOKQOKALVNDQRLHFLA 417  
 QY 113 ERNATVESLONALN---KAEMLCSTLKQMKFLEORODE----- 148  
 DB 418 QUKAL--OLEGARNQGLKEEAEKRAKASATEARYSKLKXHSLELINTHAELRNADTAKOL 475  
 QY 149 --TQAREEARLCKMK-TMEQT-----ELLQSRSEVEEMIRDMGVGQSAVEQLAVYC 201  
 DB 476 TVTQOSQSEVAVRVEQLAFQMEQAKRESEMKMEQSDQLKLR-----ELARA 525  
 QY 202 VSLKKEYENLEKARKATGELADRLKDLVSSRSKLTNTLNTLND-----QAKLELRGAQ 254  
 DB 526 GELARQALSTRTEQSGSELS-----SLDTLTNAEKALSGVVRQREAEELLAQ 574  
 QY 255 KDQASQDEITSLRKSDPPGNLEPASATNET 287  
 DB 575 SLVREKEEALSQEQRRSQQEKELRGQLAKES 607

RESULT 37  
 US-08-098-327E-31  
 Sequence 31, Application US/08098327E  
 Patent No. 6270771  
 GENERAL INFORMATION:  
 APPLICANT: GUERIN-MARCHAND, Claudine  
 APPLICANT: DRUILHE, Pierre  
 TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE  
 TITLE OF INVENTION: HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE  
 TITLE OF INVENTION: OF STIMULATING THE T LYMPHOCTES  
 NUMBER OF SEQUENCES: 46  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Burns, Doane, Swecker & Mathis  
 STREET: P.O. Box 1404  
 CITY: Alexandria  
 STATE: Virginia

COUNTRY: United States  
ZIP: 22313-1404  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/098,327E  
FILING DATE: 24-NOV-1993  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: FR 91 01286  
FILING DATE: 05-FEB-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: McGowan, Malcolm K.  
REGISTRATION NUMBER: 39,300  
REFERENCE/DOCKET NUMBER: 010830-045  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 836-6620  
TELEFAX: (703) 836-2021  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 316 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: WO 92/13884  
PUBLICATION DATE: 20-AUG-1992  
US-08-098-327E-31

Query Match 6.2%; Score 147.5; DB 4; Length 316;  
Best Local Similarity 22.3%; Pred. No. 0.00011;  
Matches 75; Conservative 70; Mismatches 129; Indels 63; Gaps 14;

QY 128 AEMLCSTLKKOMKPLEQODETKQAREBAHRLCKMKMTMEQIELL---LOSQRSEVEEMI 184  
DB 64 -----LQEQOSDLEQERRAKKELQEQOSDLEQDRLAKKELQEQOSDLEQER 109  
QY 185 R---DMVGQSAVEQLAYVCVSLKKEYENLKARKATGELADRLKDLVSSR---SKLKT 238  
DB 110 RAKKELQEQOSDLEQERRAKKELQEQOSDLEQERRAKKELQEQ---OSDLEQERRAKKELQ 168  
QY 239 LNTLELDQ---AKLELRSAQKQLQASADQETLSLRKSDDPGPNLEPASA-TNETHVSRLYVE 294  
DB 169 QOSDLEQERRAKKELQEQOSDLEQERRAKKELQEQORD---LEQRKADTKKNLERKKEH 224  
QY 295 SPAPVEMNPRLLHQPPEFDEIDLNTTFPVNTPPTQTSG---SOHCPLKTKCLERARSPM 350  
DB 225 GDILAEDLYGRLEIPA-----IELPSENERGYIIPHOSSLPOD---NNGNSRD 269  
QY 351 QNVLLKVVHKVSKPESQSLSGORCV--GELDELAGA 385  
DB 270 SKEISIIETKTRRESITTNVGRDIIHKHGLEKKDGS 306

RESULT 38  
US-08-462-625-31  
Sequence 31, Application US/08462625  
Patent No. 6319502  
GENERAL INFORMATION:  
APPLICANT: GUERIN-MARCHAND, Claudine  
APPLICANT: DRULHE, Pierre  
TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE  
HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE  
OF STIMULATING THE T LYMPHOCYTES

NUMBER OF SEQUENCES: 46  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Burns, Doane, Swecker & Mathis  
STREET: P.O. Box 1404  
CITY: Alexandria  
STATE: Virginia  
COUNTRY: United States  
ZIP: 22313-1404  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/462,625  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/098,327  
FILING DATE: 24-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: FR 91 01286  
FILING DATE: 05-FEB-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: McGowan, Malcolm K.  
REGISTRATION NUMBER: 39,300  
REFERENCE/DOCKET NUMBER: 010830-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 836-6620  
TELEFAX: (703) 836-2021  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 316 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: WO 92/13884  
PUBLICATION DATE: 20-AUG-1992  
US-08-462-625-31

Query Match 6.2%; Score 147.5; DB 4; Length 316;  
Best Local Similarity 22.3%; Pred. No. 0.00011;  
Matches 75; Conservative 70; Mismatches 129; Indels 63; Gaps 14;

QY 68 QEEENVILDAEFLKNEIDSVKAQLSOKREKRDSQAIIIDLRLDLEERNATVESIQNALNK 127  
DB 14 QEQOSDLEQDRLAKKELQEQOSDLEQERRAKKELQEQOSDLEQERRAKKELQ 63  
QY 128 AEMLCSTLKKOMKPLEQODETKQAREBAHRLCKMKMTMEQIELL---LOSQRSEVEEMI 184  
DB 64 -----LQEQOSDLEQERRAKKELQEQOSDLEQDRLAKKELQEQOSDLEQER 109  
QY 185 R---DMVGQSAVEQLAYVCVSLKKEYENLKARKATGELADRLKDLVSSR---SKLKT 238  
DB 110 RAKKELQEQOSDLEQERRAKKELQEQOSDLEQERRAKKELQEQ---OSDLEQERRAKKELQ 168  
QY 239 LNTLELDQ---AKLELRSAQKQLQASADQETLSLRKSDDPGPNLEPASA-TNETHVSRLYVE 294  
DB 169 QOSDLEQERRAKKELQEQOSDLEQERRAKKELQEQORD---LEQRKADTKKNLERKKEH 224  
QY 295 SPAPVEMNPRLLHQPPEFDEIDLNTTFPVNTPPTQTSG---SOHCPLKTKCLERARSPM 350  
DB 225 GDILAEDLYGRLEIPA-----IELPSENERGYIIPHOSSLPOD---NNGNSRD 269  
QY 351 QNVLLKVVHKVSKPESQSLSGORCV--GELDELAGA 385  
DB 270 SKEISIIETKTRRESITTNVGRDIIHKHGLEKKDGS 306

RESULT 39

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US-07-853-913-2
; Sequence 2, Application US/07853913
; Patent No. 5338839
; GENERAL INFORMATION:
; APPLICANT: McKay, Ronald D. G.
; TITLE OF INVENTION: Nestin Expression As An Indicator of
; Tumor of Invention: Neuroepithelial Tumors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/853,913
; FILING DATE: 19920319
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/660,412
; FILING DATE: 22-FEB-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,803
; FILING DATE: 25-OCT-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/201,762
; FILING DATE: 02-JUN-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/180,548
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1805 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-853-913-2

Query Match 6.1%; Score 146.5; DB 1; Length 1805;
Best Local Similarity 23.1%; Pred. No. 0.0016;
Matches 88; Conservative 63; Mismatches 155; Indels 75; Gaps 17;

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Db 1111 ENRETLTSLEKES-----QELSLGKMWVE---TVEDSQCLQYVEEG 1150
Oy 343 LERARSPMOMLVKRVHVSAPESOLSGQRQVGEDELAEAGAPPLIRNVAIGQKOPNR 402
Db 1151 LQEOOH--QESLREV-KOELPSS---GNODRMEDV-----VEGRKAOEAPLA 1192
Oy 403 TTARSRSTDPVVRIGFDGLG 423
Db 1193 TTGV--GTEDKAEHLNGGG 1211

RESULT 40
US-08-592-126-148
; Sequence 148, Application US/08592126
; Patent No. 5821091
; GENERAL INFORMATION:
; APPLICANT: Gregory Dolganov
; TITLE OF INVENTION: Transcripts Encoding Immunomodulatory
; Tumor of Invention: Polypeptides
; NUMBER OF SEQUENCES: 151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,126
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1312 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Rad50.pro-translation of SEQ ID NO:54
; US-08-592-126-148

Query Match 6.1%; Score 146; DB 2; Length 1312;
Best Local Similarity 21.5%; Pred. No. 0.0011;
Matches 98; Conservative 74; Mismatches 151; Indels 132; Gaps 21;

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Db 567 LGYFNNKKQLEWDLHSHKSKKEINQTRDLAKLNKLASSEONKNHINNELKRRREQLSSYE 626
QY 255 KDL-----QSADEITSLR---KSSDPPGNNLEPASAT-NETVSRLYFESPAPVEMMNP 304
Db 627 DKLEFVCGSODFESDLRLKEIEIEKSSKORAMLAGATAVYSOFITOL----- 673
QY 305 RLHOPPFGEIDLNTTFVNTPPPTQTSOGHCLPKKLC-----LEPARSPMQUYK 355
Db 674 -----TDENQSCP--VCORVFQTEAELOEVIISDLQSKLR 706
QY 356 KV-HKVSKEPESQLSGQRCVGEDELGAFFLFIIRNAVIGOKO--PNRTTASRSST 411
Db 707 LAPDLKSTESLKKKKR-----RDEMLGLVPM--RQSIIDLKEKEIPELRNKLQNVNR 759
QY 412 DVVRIGFGLGRTKFIQPROTTIRPVVKSAAK 446
Db 760 DIQRLKND-----IEOEITLGTIMPEESAK 786

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Search completed: September 4, 2002, 16:10:56  
 Job time: 7595 sec